

Graphing Exponentials

Make an x-y table.
Choose 4 x-values.

x
-1
0
1
2

Plug in x-values into the equation.


Example: $y = 5^x$

$$y = 5^{-1} = 0.5$$

$$y = 5^0 = 1$$

$$y = 5^1 = 5$$

$$y = 5^2 = 25$$

 **The start value is
the value when
 $x = 0$.**

Plot (x, y) pairs on your graph and
connect the dots.